GenCore version 5.1.3 Copyright (c) 1993 - 2003 Compugen Ltd

OM protein · nucleic search, using frame_plus_p2n model

January 16, 2003, 16-58-02; Search time 1987-27 Seconds Run on:

(without alignments) 122.402 Million cell updates/ser

US-09-856 070 21 60 Title: Perfect score:

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BLOSUM62 Scoring table:

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16154066 segs, 8097743376 residues Scar ched:

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Minimum DB seq Maximum DB seq

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Command line parameters.

MODEL-frame: pho.model DEV-XIP

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Database :

em_gss_mus:* em_gss_other:* em_gss_vrt:* em_gss_fun.* *:∪!d_ssp_mo em_gss_hum:* +:wew_asp_mam:* em_estiun:* cm_gss_pln: em_estom:* cm_qss_inv em_esthum:* em_estiu:* om_estro:* om_htc:* em_estba:* em_estp1:* qb_est2:* qb_cst3;* qb_est4:* em_estov.* htc:* qb_est.1:* ्र ५३। a *: LSH

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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ALIGNMENTS

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		EST. human. Homo sapiens		Dias No Nagai,M Goldman
RESULT 1 BIO52878 LOCUS	ACCESSION VERSION	KEYWORDS SOURCE ORGANISM	REFERENCE	AUTHORS

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Fax: +55-11-2707001
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Project. This entry can be seen in the following URL
(http://www.ludwiq.org.bj/scripts/qcthtmi2.pi?tl-RC5st2-RC5-GN0281
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Hrunstein,A., deOliveira,P.S., Bucher,P., Jongeneel,C.V., O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
                                                                                                                                                                      Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Pua Prof. Autonio Prudente 109. 4 andar, 01509 010, Sac Paule SP
                                                              Shotgun sequencing of the human transcriptome with ORF expressed
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/hotte="cidam: placenta_normal; Vector: pucl8; site_1: Smal; Slte_2: Smal; A mini-library was made by cloning products derived from ORESTES PCR (0.8, Letters Patent
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Dias Nato, E. Garcia Cerrea, R., Verjevski-Almeida, S., Brienes, M.R.,
Nagai, M.A., da Silva, W. Jr., Zaqo, M.A., Bordin, S., Cosla, F.F.,
Goldman, G.H., Carvalho, A.F., Matsukuma, A., Baia, G.S., Simpson, D.H.,
Hrunstein, A., deGliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare,
M.J., Soares, F., Brentani, R.K., Reis, L.F., de Souza, S.J., and
                                                                                                                                                                                                              Email: asimpson@ludwig.org.br
This sequence was derived from the PAPESP/LICE Human Cancer Genome
Project. This entry can be seen in the following URL
(ATH JAWW LIGHT) as ATJORTHYS/THIMILIPICAL BESALL PRESIDENCE—
ODD-01-012 HOLSES-2001-02-018(4-1)
Seg primer: pur 18 forward
High quality sequence stop: 214.
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RC5-GNG281 [50±0]-0]3 AU9 GRU281 Homo sapiens cina, mkna sequence.
HQ367833
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Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
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Mammalia: Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo SP,
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/db_xref "taxon:9606"
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Laboratory of Cancer Genetics
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Adev_stage=_Noblet

Anote=_Organ: placenta_normal: Vector: purlR; Site_1: Smal

/ Note=_Organ: placenta_normal: Vector: purlR; Site_1: Smal

/ Site_2: Smal: A mimilibrary was made by claning
products derived from ORRESTES PCR (U.S. Letters Patent
application No. 196,716 - Ludwig Institute for Canner
Research profiles into the pUC 18 vector. Reverse
transcription of Lissue mRNA and cDNA amplification were
performed under low stringgney conditions.
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602710194F1 NIH_MGC_48 Homo sapiens cDNA clone iMAGE:4846630 5',
mrna sequence.
            This sequence was derived from the PAPESP/LICP Human Cancer Genome Project. This entry can be seen in the following UKL (http://www.ludwig.org.br/scripts/gethtmi2.pl?tl: RC5&t2 RC5 GN0281-150201-013-A995t3-2001-02-15&t4-1)
Seq primer: puc 18 [croward.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
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/tissue_type:"primary B-cells from tensils (cell line)"
/lab_host-"DH10W (phage-resistant)"
/note-"Oragan: B-cells; Vector: pOTB7; Site_l: XhoI;
Site_2: EcoRI; cDNA made by oligo-dT priming.
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Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LINL at:
http://image.llnl.gov
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Issue Prou rement: Louis M. Staudt, M.D., Ph.D.
CDNA Library Erparation: Ling Homy/Fubin Laboratory
CDNA Library Ariayed by: The L.M.A.G.E. Consortium (LIAN.)
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Contact: Rubert Strausberg, Ph.D.
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Email: asimpson:ludwiq.org.br
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Directionally cloned into ECORI/XhoI sites using the collowing 5' adapter (GCANGAG). Size-selected >500bp for average insert size its by. Library constructed by Ling Hong in the laboratory of Geraid M. Rubin (Gniversity of California, Berkeley) using ZAP-cDNA synthesis kit (Stratugace) and Superscript II RT (Life Technologies). Note: this is a NIH_MGC Library."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           E-ESTG122153 S13KMS5 Homo sapiens CDNA clone S13KMS5-38-G03-57, mRNA sequence.
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Kim, N.S., Hahn, Y., Oh, J.H., Lee, J.Y., Ahn, H.Y., Chu, M.Y., Kim, M.R., Oh, K.J., Cheong, J. E., Sohn, H.Y., Kim, J. M., Pari, H.S., wim, S. and
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Plate: 38 row: G column: 03
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/cell_line="KMS-5"
/lab_host-"Topl0F'"
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Eukaryota: Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia: Eutheria; Primates; Catarrhin; Hominidae; Homo.

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Dias Noto, E., Garcia Correa, E., Vorjovski-Almeida, S., Hriones, M.R., Magal, M.A., da Silva, W. Jr., Zayo, M.A., Hordin, S., Costa, F.F., Goldman, G.H., Carvalho, A.F., Matsuvkma, A., Hela, C.S., Simpson, D.H., Brunstein, A., deolivela, P.S., Burher, P., Jongeneel, C.V., O'Hare, M.J., Soares, E., Brentani, R.F., Reis, L.F., de Souza, S. J. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note-"Organ: colon_ins; Vector: pucl8; Site_1: Smal; Site_2: Smal; A min; library was made by cloning products derived from ORESTES PGR (U.S. Letters Patent application No. 196,716 * Ludwig Institute for Cancer Research) protiles into the pUC 18 vector. Reverse transcription of lissue mRNA and cDNA amplification were performed under low stringency conditions."
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QV4-C10151-031100-513-105 C10151 Homo sapiens CDNA, mRNA sequence.
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ToplUF' by electroporation method. The cDNA libraries constructed by this method are full-length enriched cDNA
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Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar. (1504-010, Sao Paulo-Sp.
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/db_xrel-"taxon:9606"
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Email: asimpson !ludwiq.orq.br
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Aliqument Scores:

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/note-"Organ: colon: Vector: puel8; Site_1: Smal; Site 2: Smal: A mini-library was made by cloning products derived from ORESIES FOR (U.S. Letters Patent application No. 196, 716 - Lodwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of tissue mRNA and CDNA amplification were performed under low stringency conditions. 30 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following UKL.
(http://www.lodwig.org.br/seripts/gethrml2.piitl=6f2-0M0.CT0012-290
699-017-a05&t3-1999-06-29&t4-1)
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Goldman,G.H., Carvaiho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H.,
Brunstein,A., deoliveira,P.S., Bucher,P., Jonqeneel,C.V., O'Hare
.M.J., Soures,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EuKaryota, Metablea, Chordata; Cramiata; Vertebrata; Diteleostomi;
Ammanla: Eutheria: Primates: Catarrhini: Hominidae: Homo.
1 (bases 1 to 281)
Dias; Neto,E., Garcia Correa.R., Verjovski-Almeida,S., Briones,M.R.,
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AW845219
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Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
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High quality sequence stop: 280.
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/clone_lib= electrical/dev_stage="Adult"
/dev_stage="Adult"
/dev_stage="Adult"
/fibte="Organ. lain_library was made by cloning products
Site_1: Smal; A mini-library was made by cloning products
derived trom ORESTES PCR (U.S. Letters Patent application
No. 195,716 - Ludwig Institute for Cancer Research)
prifiles into the pUC 18 vector. Keverse transcription of
tissue mRNA and cDNA amplification were performed under
low stringency conditions."

I others
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Dias Netw.E., Gardia Correa, Verjovski-Almeida,S., Briones,M.R.,
Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F.,
Goldman,G.H., Carratho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H.,
M. J., Scarce,F., Brentani,P.R., Bucher, P., Jongeneel,C.V., O'Hare
Simpson,A.J.
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                                                     EST 17 JAN 2001
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QVO-ET0148-231000-456-d07 ET0148 Homo sapiens cDNA, mKNA sequence.
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Mammalia: Estheria: Primates; Catarrhini; Hominidae, Homo.
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Rua Prof Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
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Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F.,
Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson.D.H.,
Brunstein,A., deOliveira,P.S., Bucher,P., Jorgeneel,C.V., C'Hare
,M.J., Soares,F., Hrentani,P.R., Pris,I.F., de Soura,S.i. and
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                                                                                                                                                                                                      EST 15-JUN-2001
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Fins sequence was derived from the FAPESP/FICE Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www ludwig.org.br/scripts/gethuml2 pivil-myp&r2 cMp-GN0234-02010-676-e08&t3-2901-01-02&t4-1)
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Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
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Laboratory of Cancer Genetics
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Fax: +55-11-2707001
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
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Kim,N.S., Hahn,Y., Ob,J.H., Lee,J.Y., Ahn,H.Y., Chu,M.Y., Kim,M.R.,
O4,K.J., Cheonq,J.E., Sohn,H.Y., Kim,J.M., Park,H.S., Kim,S. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note-"Organ: Stomach; Vector: pME18-FE3; Site_1: Xhol; Site_2: Xhol; The poly (A): RNA was dephosphoryatated with bacterial alkaline phosphatase (BAP) and then decaped with tabacco acid pyrophosphatase (TAP). The decaped site abacterial adjaced with DNA KNA linker including Sfil site by treatment of 14 RNA linker including Sfile by treatment of 14 RNA linker and the first strand clNA was synthesized with Superscript II using Sfil
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                                                                                                 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                        Genome Research Center
Korea Research Institute of Bioscience & Biotechnology
                                                                                                                                                                                                                                                                                                                     52 Ebeun dong Yusebng-qu, Daejeon 305-333, South Korea
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/cell_line="SNU-601"
/lab_bost="Top10F"
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High quality sequence stop: 312.
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/note-"Organ: colon_ins: Vector: pure18: Site_i: smal; Site_2: Smal, A mini-library was made by cloning products derived from Owesles PCR (U.S. Letters Patent application No. 196,716 - Ladwig Institute for Cancer Research) profiles into the pUC 18 vector. Reverse transcription of Lissue mRNA and cDNA amplilication were performed under low stringency conditions."
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

[ bases 1 to 358]
Plas Neto.E., Sarria Correa, P., Verjovski-Almeida, S., Briones, M.R.,
Naqai, M.A., da Silva, W. Jr., Zaqo, M.A., Bordin, S., Uosta, F.F.,
Goldman, G. H., Carval ho, A.F., Matsukuma, A., Haia, G.S., Simpson, D.H.,
Brunstein, A., deoliveira, P.S., Bucher, P., Jongeneel, C.V., o'Hare,
M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J., and
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Email: asimpsoneludwiq.org.br
This sequence was derived from the PAPFSP/LICE Humon Cancer Genome
Project. This entry can be seen in the following URL
(Arth. Naww. Library etc. Project.pr. profinely P10+1-Necg-2-CMO C10095-301000-648-bu5&t<-2000-10-30$44-1)
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Nagal, M.A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa, F.F.,
Coldman, G.H., Carralho, A.F., Matsukuma, A., Haia, G.S., Simpson, D.H.,
Brunstein, A., deoliveira, P.S., Hucher, P., Jongeneel, C.V., O'Harc
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Ludwig Institute for Cancer Research
Rua Prof. Automio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                   Shotgun sequencing of the human transcriptome with ORF expressed
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This sequence was derived from the FAPESP/LICP Human cancer Genome Project. This entry can be seen in the Toltowing URL (http://www.lodwig.org.br/scripts/get.html2_pl2tl=PM3&:2-PM3.GNO516-090501-010-d1047-220f-05-098t4-1)
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Nagal,M.A., da Silva,W. Jr., Eago,M.A., Bordin, S., Gosta,F.F.,
Goldman,G.H., Carvalbo,A.E., Matsukma,A., Hala,G.S., Simpson,D.H.,
Hrunstein,A., debilvoira,P.S., Bacher,P., Inngones,C.V., O'Haro,
M.J., Soares,F., Brentani,R.P., Peis,L.F., de Sovra,S.L. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       application No. 196,716 - Ludwig Institute for Cancer Research, profiles into the pub CLB vector. Reverse transcription of Lissue mRNA and cDNA amplification were performed under low stringency conditions.
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Mammalia: Eutheria, Primates, Catarrhini; Hominidae; Homo.
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                                                                                                                                     Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
                Simpson,A.J. Shotgan sequencing of the human transcriptome with ORF expressed
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,M.J., Soares, F., Brentani, R.R., Reis, L.F., de Souza, S.J. and
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/db_xref "taxon:9606"
/clone_lib+"3N0516"
/dev_stage="Adult"
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High quality sequence start: 11
High quality sequence stop: 348.
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                                                                                                                                                                                                                                                             Email: asimpson@ludwiq.org.br
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/noie-"Organ: rolon; Vertor: purl8; Site_1: Smal; Site_2: Smal; A mid: library was made by cloping products derived from OFFSTES PCK (U.S. Latters Patent application No. 195, 716 - Ladwig Institute for Cancer Research) profiles into the PUC 18 vector. Reverse transcription of tissue afformed and cDAA amphilitation were performed under low stringery conditions.
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1 (bases 1 to 404)
Kim,N.S., Hahn,Y., Oh,J.H., Lee,J.Y., Ahn,H.Y., Chu,M.Y., Kim,M.R., Oh,K.J., Cheong,J.E., Sohn,H.Y., Kim,J.M., Park,H.S., Kim,S. and
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                                                                                                                                                                                                         This sequence was derived from the FAPESF/LICR Human Cancer Genome Project. This entry can be seen in the following URL (http://www.liwin.org/kr/cripts/jackiniii plitt MFLsti-MFLTTGCG-140900 002 alisei3-2000-09-14624-1)
                Labbratory of Cancer Genetics
Lud⊮ig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
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Fax: +82-42-860-4409
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Contact: Simpson A.J.G.
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                                                                                                                          Tel. :55-11-2704922
Fax: :55-11-2707001
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Location/Qualifiers

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with tablects acid pyrophosphatase (IAP). The decapped intact mRNA was ligated with DNA-RNA linker including EcoR is site by Treatment of TA RNA linker and the Lirst strand cDNA was syntheogical from clips of Tranland entering Errand priming with distailed vector. The distailed vector was adjusted to have about 60nt. The cDNA vector was adjusted with E coll DNA ligase after digestion of EcoRI which site is also included in vector. An RNA strand courselted to a DNA strand by Okayama-Berg method. The
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Disa Neto, E., Careia Correa, E., Verjovski Almeida, S., Briones, M.K.,
Naqai, M.A., da Silva, W. Jr., Zaqo, M.A., Bordin, S., Costa, F.F.,
Goldman, G. H., Carvalho, A.F., Matsukuma, A., Bala, G.S., Simpson, D.H.,
Brunstein, A., deoliveira, P.S., Bucher, P., Jongeneel, C.V., O'Hare
M.J., Soarcs, F., Brentani, R.K., Reis, L.F., de Souza, S.J. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               competent cells E. coll Top10F' by electroporation method. The cDMA libraries constructed by this method are full-length enriched cDMA library."
                                                                                                                                                                                                                                                        /note-"organ: Stomach; Vector: pT218RP1; Site_1: EcoR1; Site_2: Not1: The poly (A): KNA was dephosphorylated with bacterial alkaline phosphatase (BAP) and then decapped
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Mammalia; Entheria; Primates, Cataribini, Hominidae; Homo.
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/cell_type="Lymphoblast-like"
/cell_line="SNU-1"
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                     /organism-"Homo sapiens"
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Laboratory of Cancer Genetics
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/note="Organ: bladder_tumor: Vector: pucl8; Site_1: Smal; Site_2: Smal; A mini library was made by cloning products Site_2: Smal; A mini library was made by cloning products derived from ORESTES PCK (U.S. Letters Parent application No. 196-716 - Ludwig Institute for Cancer Research) Froilles into the FCC 18 review. Reverse franscription of fissue mkNA and cDNA amplification were performed under low stringency conditions.

a 156 c 86 g 125 t
This sequence was derived from the FAPESP/LICE Human Cancer Genomer Project. This outry can be seen in the following UKL. (http://www.ludwig.org.br/scripts/gethtml2.plztl-MR4&t2-MR4.KT0047-160510.003-1044&t3-2001.05-16&t4-1)
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/db_xret-"taxon:9606"
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Scarch completed: January 16, 2003, 21:37:07 Job time : 1588.77 secs